

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1971

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY SJ
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87252

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Huerfano Unit No. 210		
UNIT LETTER 0	SECTION 35	TOWNSHIP 27	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6964	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6876
GAS PAY ZONE FROM 6722 TO 6888		WELL PRODUCING THRU CASING TUBING XXX		GAS GRAVITY .689	GRAVITY X LENGTH 4738
DATE OF FLOW TEST FROM 7-22-71 TO 7-30-71			DATE SHUT-IN PRESSURE MEASURED 6-3-71		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) --	(b) Flowing Tubing Pressure (DWt) --	(c) Flowing Meter Pressure (DWt) --	(d) Flow Chart Static Reading --	(e) Meter Error (Item c - Item d) 0-	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 285
(h) Corrected Meter Pressure (g+e) 285	(i) Avg. Wellhead Press. $P_i = (h+f)$ 285	(j) Shut-in Casing Pressure (DWt) 1905	(k) Shut-in Tubing Pressure (DWt) 1288	(l) P_c = higher value of (j) or (k) 1905	(m) Del. Pressure $P_d = 50\% P_c$ 953	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 729	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 729$ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.291	$(F_c Q_m)^2 (1000)$ 46978	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 13671	P_t^2 81225	$P_w^2 = P_t^2 + R^2$ 94896	$P_w = \sqrt{P_w^2}$ 308
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	729	$\left[\frac{2720816}{3534129} \right]^n =$	$(.7698)^n =$	.8218	$= 599$ MCF/D
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REMARKS:

Well first delivered June 30, 1971

SUMMARY

Item h 285 Psia
 P_c 1905 Psia
 Q 729 MCF/D
 P_w 308 Psia
 P_d 953 Psia
 D 599 MCF/D

Company EL PASO NATURAL GAS COMPANY
 By Robert E. Fielder
 Title
 Witnessed By
 Company

